FIG. 1

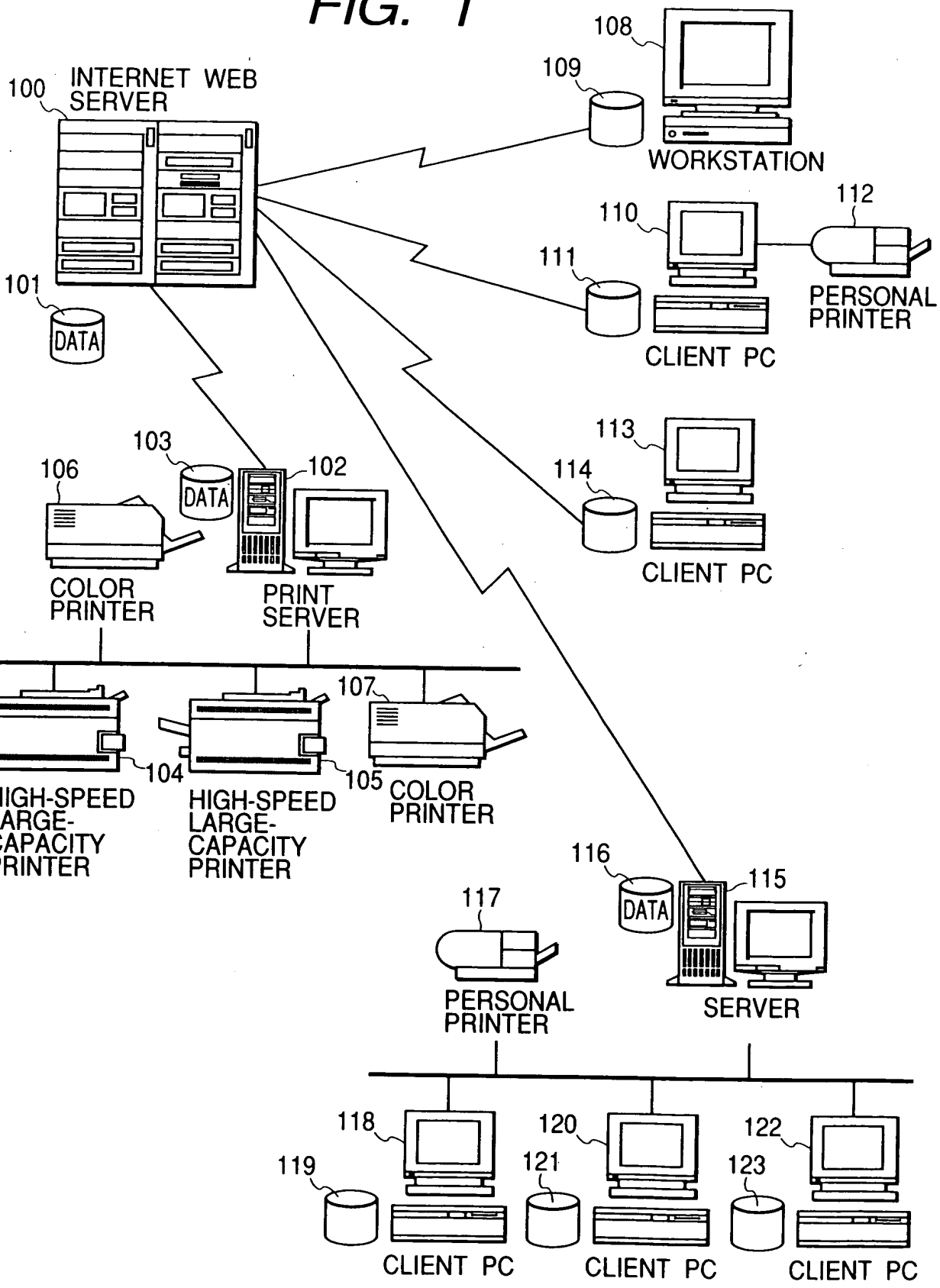

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FIG. 2

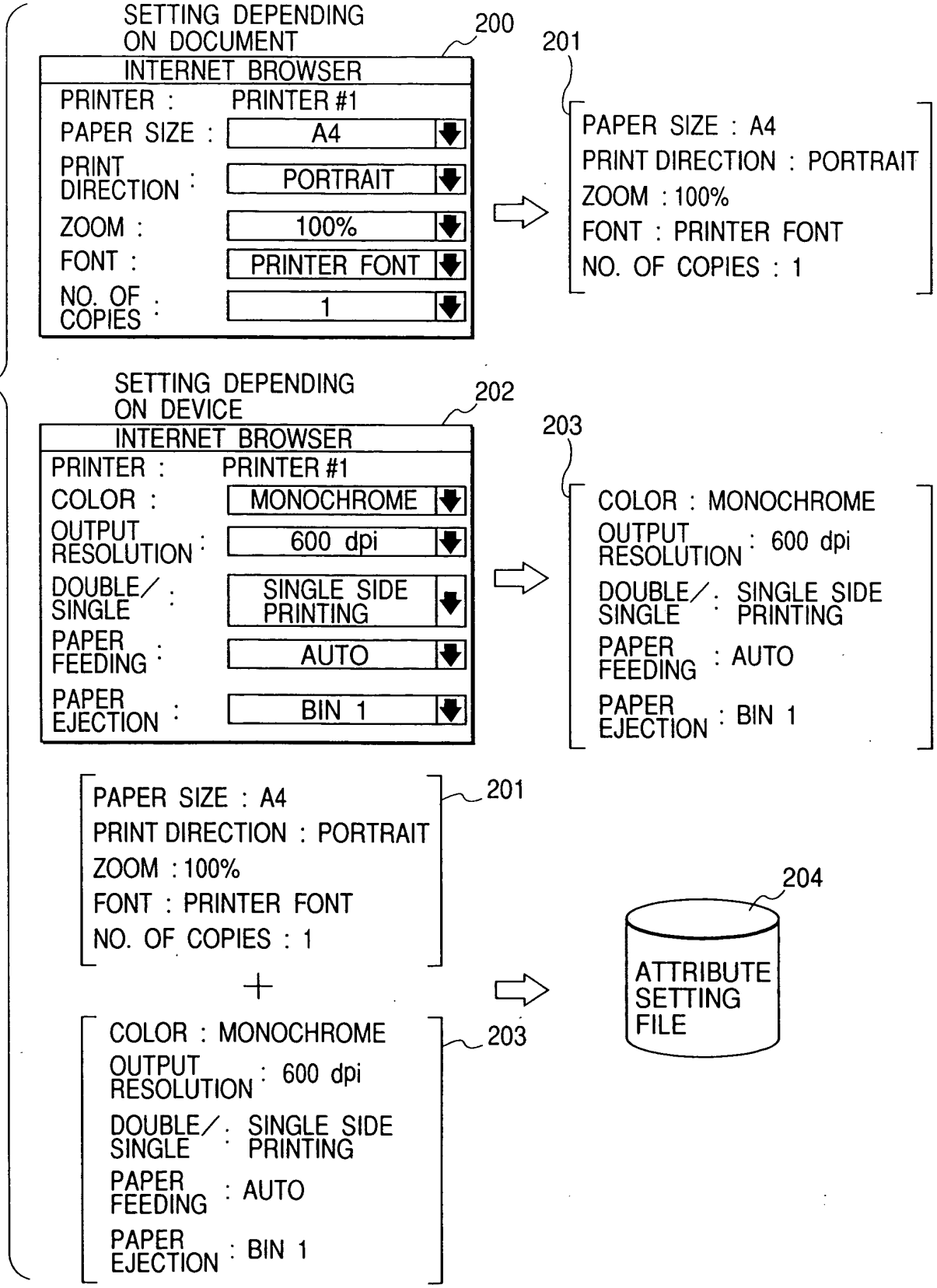

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FIG. 3

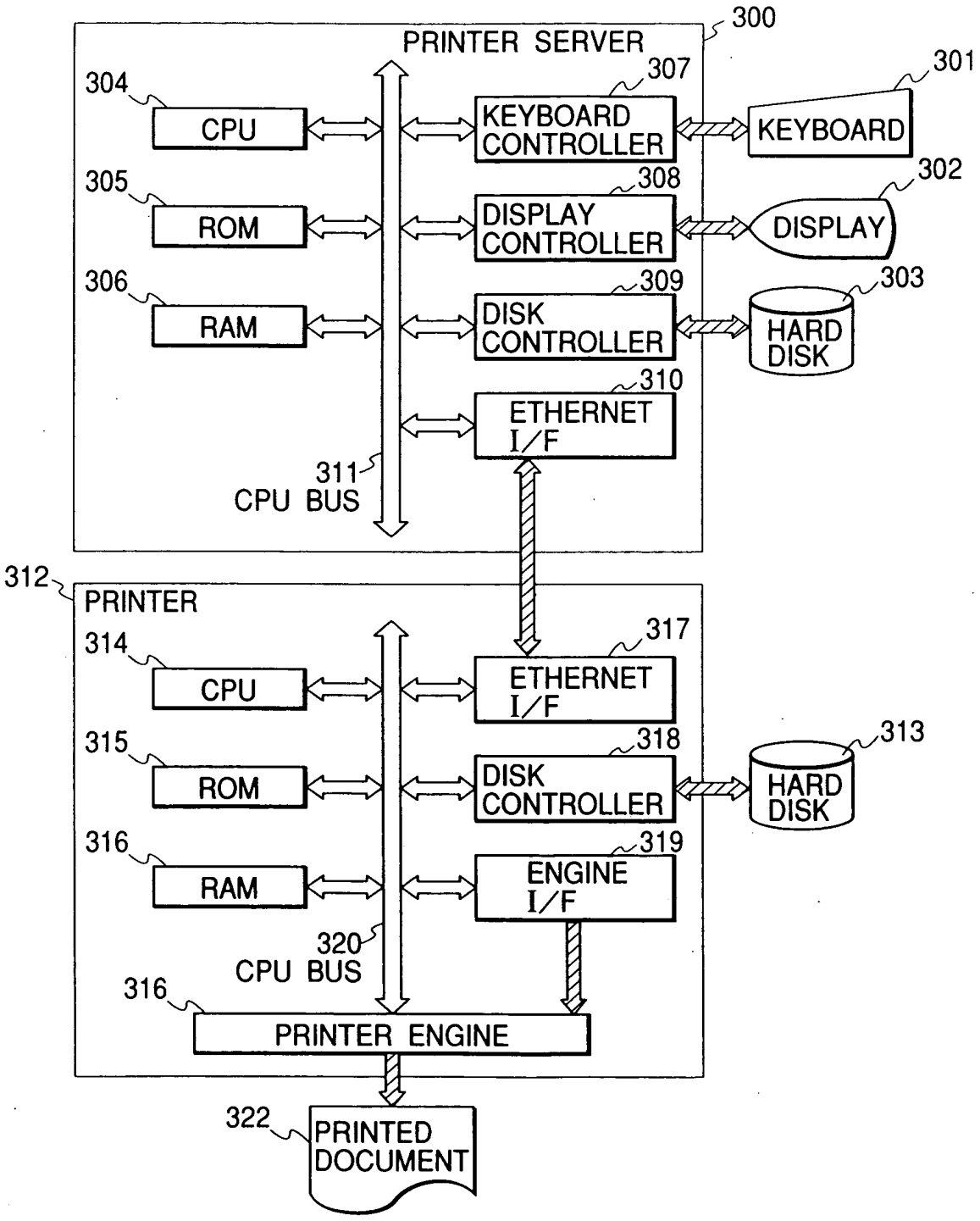
300
PRINTER SERVER
304
CPU
305
ROM
306
RAM
307
KEYBOARD CONTROLLER
308
DISPLAY CONTROLLER
309
DISK CONTROLLER
310
ETHERNET I/F
311
CPU BUS
301
KEYBOARD
302
DISPLAY
303
HARD DISK
312
PRINTER
314
CPU
315
ROM
316
RAM
317
ETHERNET I/F
318
DISK CONTROLLER
319
ENGINE I/F
320
CPU BUS
316
PRINTER ENGINE
313
HARD DISK
322
PRINTED DOCUMENT

FIG. 4

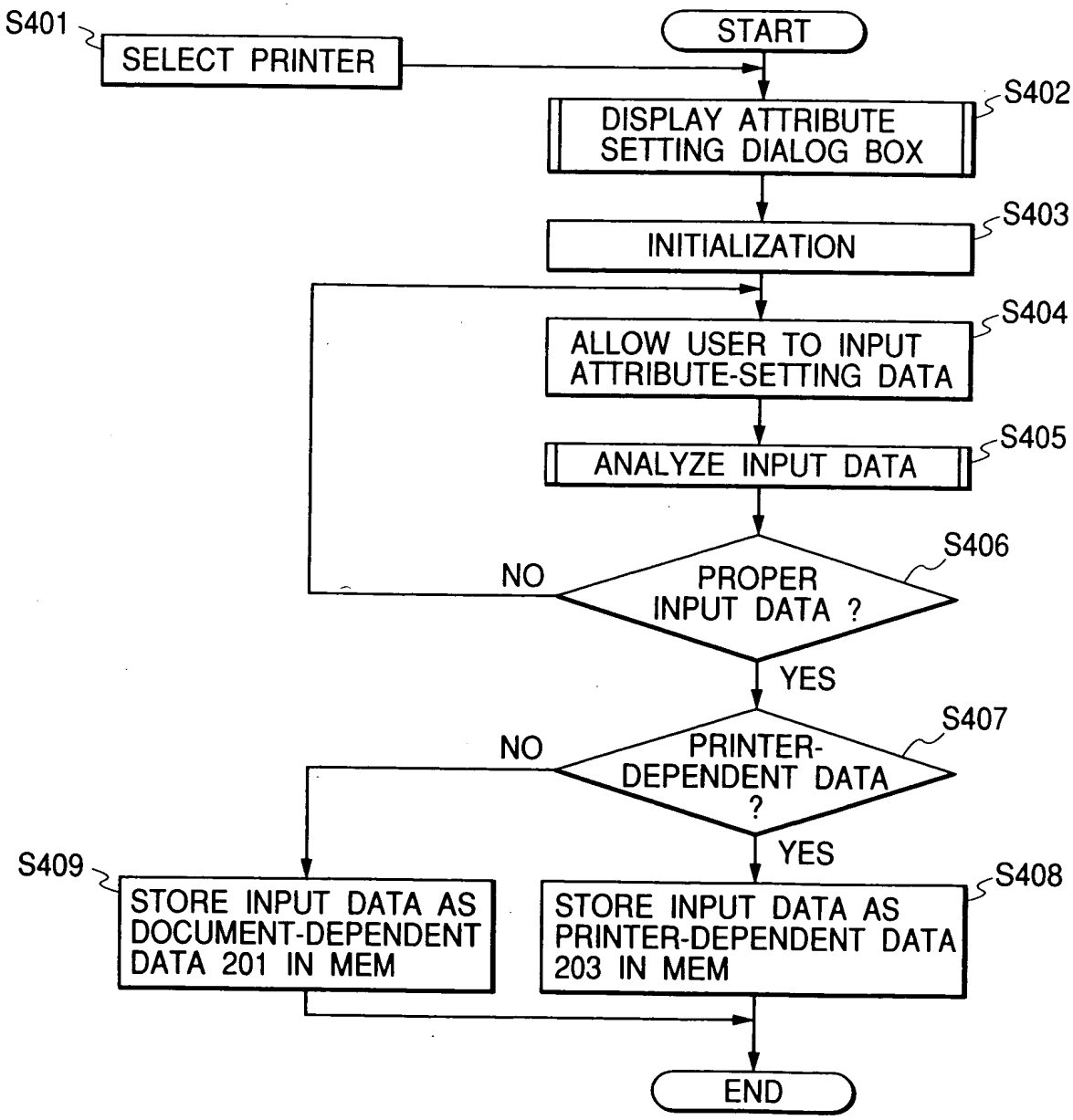
S401
SELECT PRINTER
START
S402
DISPLAY ATTRIBUTE SETTING DIALOG BOX
S403
INITIALIZATION
S404
ALLOW USER TO INPUT ATTRIBUTE-SETTING DATA
S405
ANALYZE INPUT DATA
S406
NO
PROPER INPUT DATA ?
YES
S407
NO
PRINTER-DEPENDENT DATA ?
YES
S409
STORE INPUT DATA AS DOCUMENT-DEPENDENT DATA 201 IN MEM
S408
STORE INPUT DATA AS PRINTER-DEPENDENT DATA 203 IN MEM
END

FIG. 5

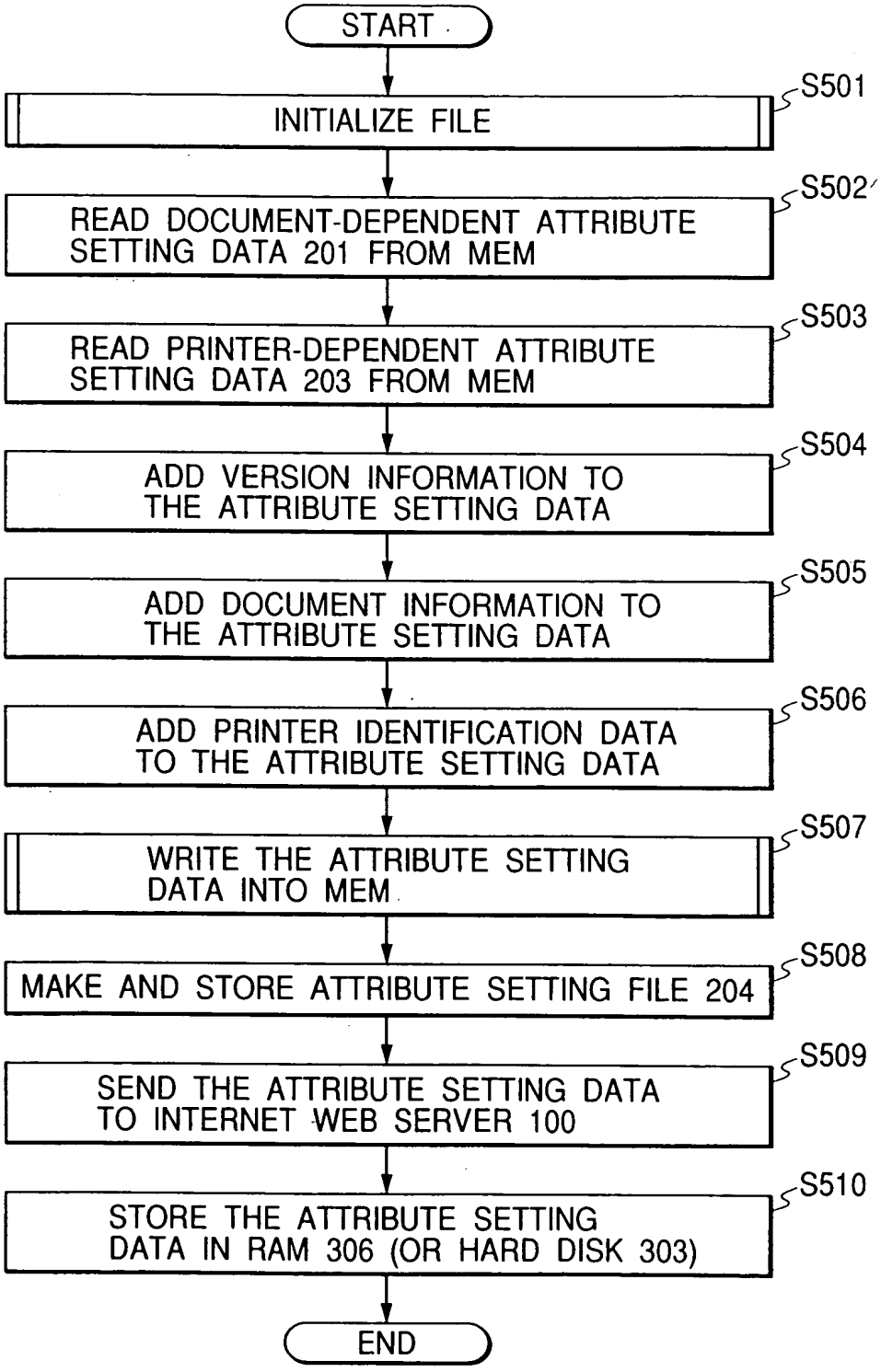

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FIG. 6

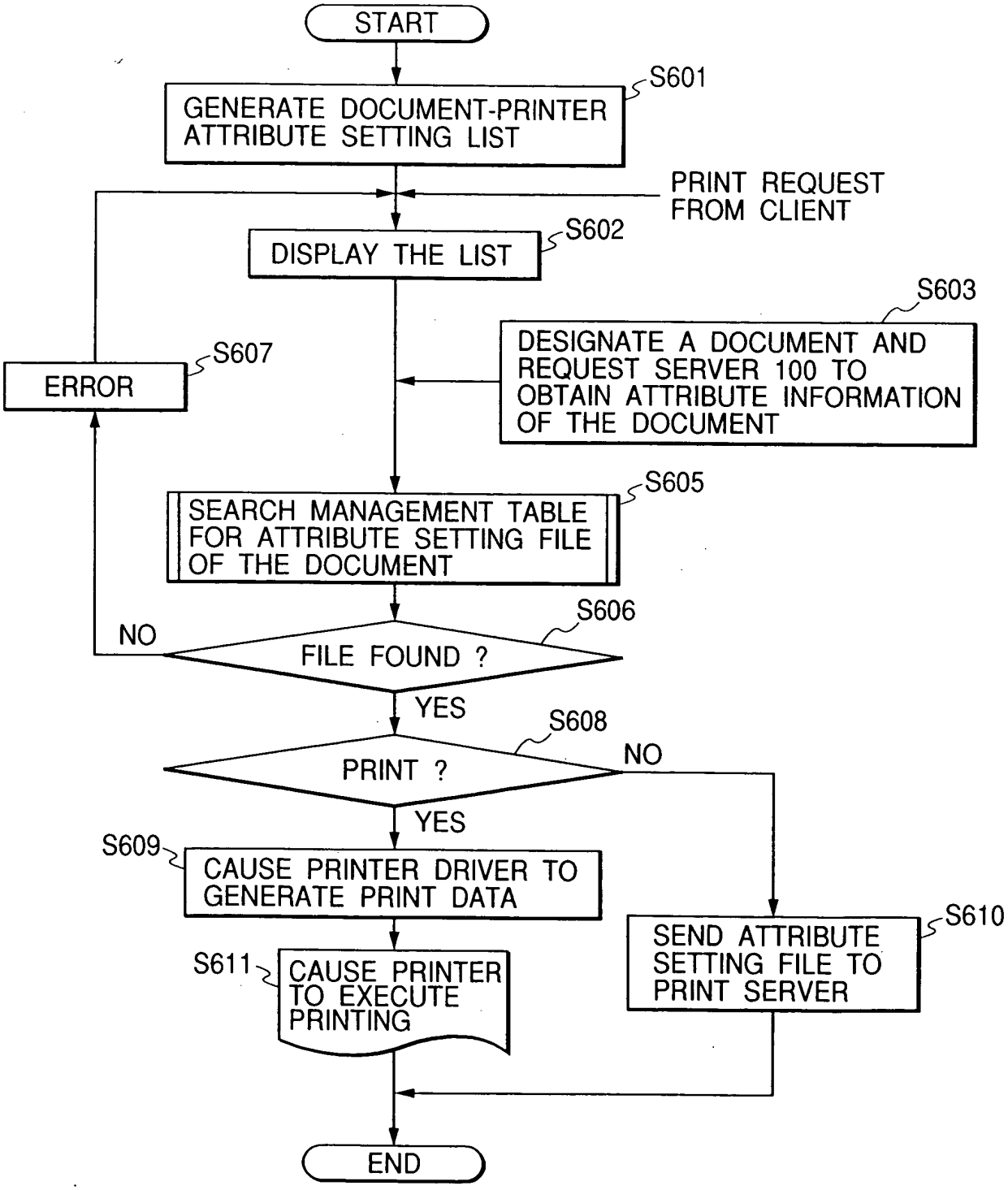
START
S601
GENERATE DOCUMENT-PRINTER ATTRIBUTE SETTING LIST
PRINT REQUEST FROM CLIENT
S602
DISPLAY THE LIST
S603
DESIGNATE A DOCUMENT AND REQUEST SERVER 100 TO OBTAIN ATTRIBUTE INFORMATION OF THE DOCUMENT
S607
ERROR
S605
SEARCH MANAGEMENT TABLE FOR ATTRIBUTE SETTING FILE OF THE DOCUMENT
S606
NO
FILE FOUND ?
YES
S608
PRINT ?
NO
YES
S609
CAUSE PRINTER DRIVER TO GENERATE PRINT DATA
S610
SEND ATTRIBUTE SETTING FILE TO PRINT SERVER
S611
CAUSE PRINTER TO EXECUTE PRINTING
END

FIG. 7

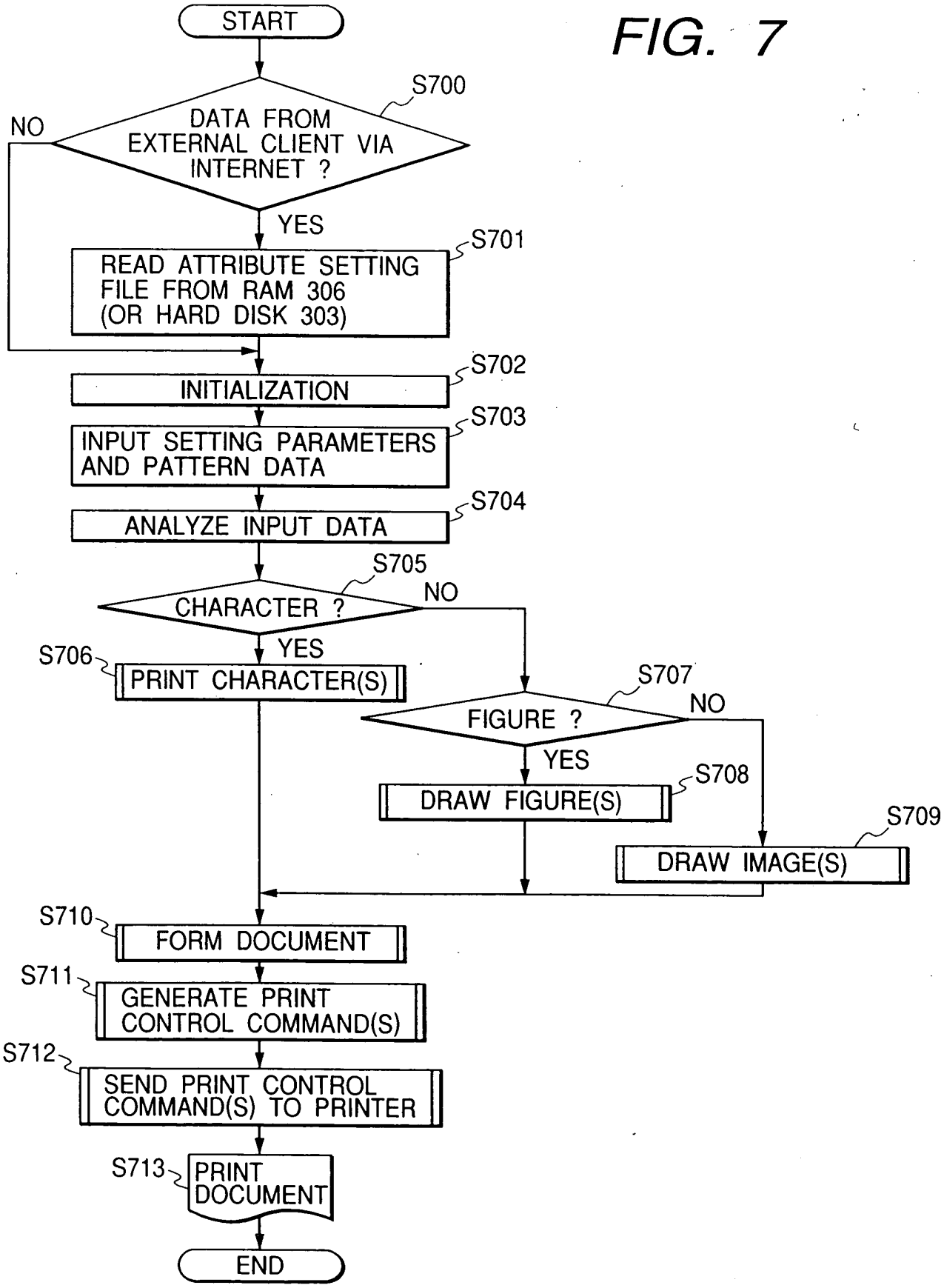
START
S700
DATA FROM EXTERNAL CLIENT VIA INTERNET ?
NO
YES
S701
READ ATTRIBUTE SETTING FILE FROM RAM 306 (OR HARD DISK 303)
S702
INITIALIZATION
S703
INPUT SETTING PARAMETERS AND PATTERN DATA
S704
ANALYZE INPUT DATA
S705
CHARACTER ?
NO
YES
S706
PRINT CHARACTER(S)
S707
FIGURE ?
NO
YES
S708
DRAW FIGURE(S)
S709
DRAW IMAGE(S)
S710
FORM DOCUMENT
S711
GENERATE PRINT CONTROL COMMAND(S)
S712
SEND PRINT CONTROL COMMAND(S) TO PRINTER
S713
PRINT DOCUMENT
END

FIG. 8

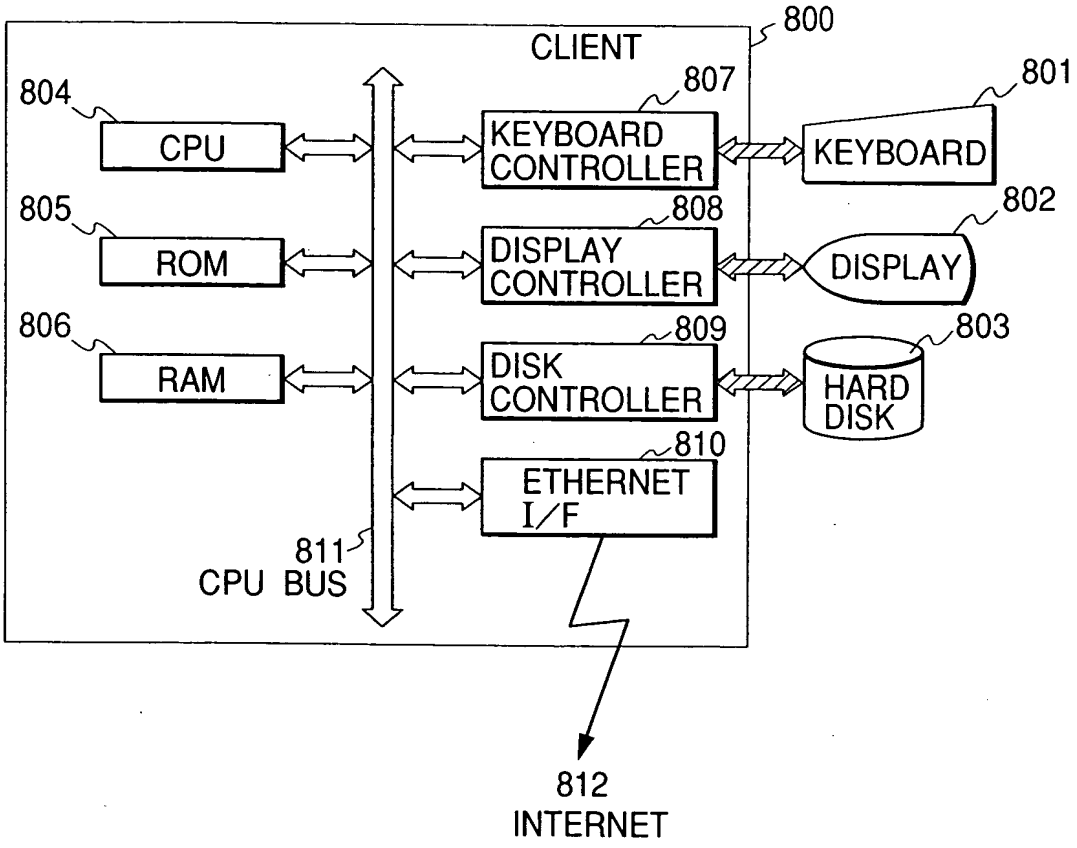
CLIENT
800
804
CPU
805
ROM
806
RAM
807
KEYBOARD CONTROLLER
808
DISPLAY CONTROLLER
809
DISK CONTROLLER
810
ETHERNET I/F
811
CPU BUS
801
KEYBOARD
802
DISPLAY
803
HARD DISK
812
INTERNET

FIG. 9

	DOCUMENT ATTRIBUTE (901, 902)					PRINTER ATTRIBUTE (903)					VERSION (904)	DOCUMENT INFORMATION (905)	PRINTER (906)
NO.	SIZE	DIRECTION	ZOOM	FONT	NO. OF COPIES	COLOR	RESOLUTION	DOUBLE/SINGLE SIDE PRINTING	PAPER FEEDING	PAPER EJECTION		EXTENTION	
001	A4	PORTRAIT	100%	PRINTER	1	MONO-CHROME	600	SINGLE	AUTO	BIN1	VER 1.0	*.doc, *.xls, *.pdf	LBP1000
002	LETTER	PORTRAIT	100%	TRUETYPE	1	FULL COLOR	300	SINGLE	CASSETTE 2	BIN2	VER 2.0	*.doc, *.pdf	BJC500
003	B4	LANDSCAPE	80%	TRUETYPE	2	MONO-CHROME	300	DOUBLE	MANUAL	ESCAPE	VER 1.0	*.xls, *.pdf	GP800

DISPLAYED IS "DOCUMENT-PRINTER ATTRIBUTE SETTING" LIST CURRENTLY REGISTERED.
DESIGNATE NO. OF ATTRIBUTE SETTING FILE FOR PRINTING.

NO. [ ] (907)

[EXECUTE] (908) [RESET] (909) [RETURN] (910)